



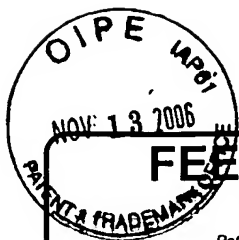
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|  |    |                        |                    |
|--|----|------------------------|--------------------|
| <b>TRANSMITTAL FORM</b><br><i>(to be used for all correspondence after initial filing)</i> |    | Application No.        | 10/749,740         |
|  |    | Filing Date            | December 30, 2003  |
|  |    | First Named Inventor   | Nikolai G. Nikolov |
|  |    | Art Unit               | 2127               |
|  |    | Examiner Name          | Unassigned         |
| Total Number of Pages in This Submission   | 23 | Attorney Docket Number | 6570P040           |

| ENCLOSURES (check all that apply)  |   |   |
|--|---|---|
| <input checked="" type="checkbox"/> Fee Transmittal Form<br><br><input type="checkbox"/> Fee Attached<br><br><input type="checkbox"/> Amendment / Reply<br><br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)<br><br><input type="checkbox"/> Extension of Time Request<br><br><input type="checkbox"/> Express Abandonment Request<br><br><input checked="" type="checkbox"/> Information Disclosure Statement<br><br><input checked="" type="checkbox"/> PTO/SB/08<br><br><input type="checkbox"/> Certified Copy of Priority Document(s)<br><br><input type="checkbox"/> Response to Missing Parts/ Incomplete Application<br><br><input type="checkbox"/> Basic Filing Fee<br><input type="checkbox"/> Declaration/POA<br><br><input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53 | <input type="checkbox"/> Drawing(s)<br><br><input type="checkbox"/> Licensing-related Papers<br><br><input type="checkbox"/> Petition<br><br><input type="checkbox"/> Petition to Convert a Provisional Application<br><br><input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address<br><br><input type="checkbox"/> Terminal Disclaimer<br><br><input type="checkbox"/> Request for Refund<br><br><input type="checkbox"/> CD, Number of CD(s)<br><input type="checkbox"/> Landscape Table on CD | <input type="checkbox"/> After Allowance Communication to TC<br><br><input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences<br><br><input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)<br><br><input type="checkbox"/> Proprietary Information<br><br><input type="checkbox"/> Status Letter<br><br><input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):<br><div style="border: 1px solid black; padding: 5px; margin-top: 5px;">Copies of Non-patent Literature (7); Related Office Actions(2), Claims prior to OA(2)/Claims as amended (2); Return postcards (2)</div> |
| Remarks  |   |   |

| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT |  |
|--|--|
| Firm or Individual name                    | Robert B. O'Rourke, Reg. No. 46,972<br><b>BLAKELY, SOKOLOFF, TAYLOR &amp; ZAFMAN LLP</b> |
| Signature                                  | <i>[Signature]</i>   |
| Date                                       | 11/7/06  |

| CERTIFICATE OF MAILING/TRANSMISSION  |                    |      |           |
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| I hereby certify that this correspondence is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450. |                    |      |           |
| Typed or printed name  | Janece Shannon     |      |           |
| Signature  | <i>[Signature]</i> | Date | 11-7-2006 |



# FEE TRANSMITTAL for FY 2005

Patent fees are subject to annual revision.

☐ Applicant claims small entity status. See 37 CFR 1.27.

TOTAL AMOUNT OF PAYMENT (\$)

0.00

## Complete if Known

|                      |                    |
|----------------------|--------------------|
| Application Number   | 10/749,740         |
| Filing Date          | December 30, 2003  |
| First Named Inventor | Nikolai G. Nikolov |
| Examiner Name        | Unassigned         |
| Art Unit             | 2127               |
| Attorney Docket No.  | 6570P040           |

## METHOD OF PAYMENT (check all that apply)

☐ Check ☐ Credit card ☐ Money Order ☒ None ☐ Other (please identify):

☒ Deposit Account Deposit Account Number: 02-2666 Deposit Account Name: Blakely, Sokoloff, Taylor & Zafman LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, except for the filing fee  
☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20. ☒ Credit any overpayments

## FEE CALCULATION

| Large Entity   |          | Small Entity |          | Fee Description  | Fee Paid |
|--|----------|--------------|----------|--|----------|
| Fee Code   | Fee (\$) | Fee Code     | Fee (\$) |  |          |
| 1051   | 130      | 2051         | 65       | Surcharge - late filing fee or oath                              |          |
| 1052   | 50       | 2052         | 25       | Surcharge - late provisional filing fee or cover sheet.          |          |
| 2053   | 130      | 2053         | 130      | Non-English specification  |          |
| 1251   | 120      | 2251         | 60       | Extension for reply within first month                           |          |
| 1252   | 450      | 2252         | 225      | Extension for reply within second month                          |          |
| 1253   | 1,020    | 2253         | 510      | Extension for reply within third month                           |          |
| 1254   | 1,590    | 2254         | 795      | Extension for reply within fourth month                          |          |
| 1255   | 2,160    | 2255         | 1,080    | Extension for reply within fifth month                           |          |
| 1401   | 500      | 2401         | 250      | Notice of Appeal   |          |
| 1402   | 500      | 2402         | 250      | Filing a brief in support of an appeal                           |          |
| 1403   | 1,000    | 2403         | 500      | Request for oral hearing   |          |
| 1451   | 1,510    | 2451         | 1,510    | Petition to institute a public use proceeding                    |          |
| 1460   | 130      | 2460         | 130      | Petitions to the Commissioner                                    |          |
| 1807   | 50       | 1807         | 50       | Processing fee under 37 CFR 1.17(q)                              |          |
| 1806   | 180      | 1806         | 180      | Submission of Information Disclosure Stmt                        |          |
| 1809   | 790      | 1809         | 395      | Filing a submission after final rejection (37 CFR § 1.129(a))    |          |
| 1810   | 790      | 2810         | 395      | For each additional invention to be examined (37 CFR § 1.129(b)) |          |
| Other fee (specify) Submission of IDS prior to First Office Action |          |              |          |  | 0.00     |
| SUBTOTAL (2)   |          |              |          | (\$)   | 0.00     |

## SUBMITTED BY

## Complete (if applicable)

|                   |                    |                                   |         |           |                |
|-------------------|--------------------|-----------------------------------|---------|-----------|----------------|
| Name (Print/Type) | Robert B. O'Rourke | Registration No. (Attorney/Agent) | 46,972  | Telephone | (408) 720-8300 |
| Signature         |                    | Date                              | 11/7/06 |           |                |



Attorney's Docket No.: 6570.P040

Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of: )  
Nikolai G. Nikolov )  
Application No: 10/749,740 )  
Filed: December 30, 2003 )  
For: Modified Classfile Registration With )  
A Dispatch Unit That Is Responsible )  
For Dispatching Invocations During )  
Runtime Execution OF Modified )  
Bytecode )

Mailstop Amendment  
Commissioner For Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Examiner: Unassigned

Art Unit: 2127

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

November 7, 2006

(Date of Deposit)

Janece Shannon

(Printed name)

Janece Shannon

(Signature)

11-7-2006

(Date)

INFORMATION DISCLOSURE STATEMENT AND NOTICE OF OTHER PENDING APPLICATION(S)

Enclosed is a copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 together with copies of the documents cited on that form, except for copies not required to be submitted (e.g., copies of U.S. patents and U.S. published patent applications need not be enclosed). It is respectfully requested that the cited documents be considered and that the enclosed copy of Information Disclosure Citation Form PTO-1449 or PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s).

Applicant would like to bring to the Examiner's attention the following co-pending patent application(s), which is/are assigned to the assignee of the present application, and which may be relevant to the present application:

The Applicant would like to bring to the Examiners attention an Office Action received in the following related co-pending applications, U.S. Patent Application No. 10/750,396, entitled, "Classfile Conversion Into An Organization Of Objects, and Modification Thereof, To Effect Bytecode Modification," filed on December 30, 2003 and U.S. Patent Application No. 10/749,617, entitled, "Of Modified Byte Code For Debugging, Testing and/or Monitoring Of Object Oriented Software," filed on December 30, 2003. Applicant has provided the Examiner

with a copy of the related Office Action, claims as they stood in the related application prior to the mailing of the Office Action and a copy of the claims as they were presented to the PTO in response to the Office Action.

**Applicants respectfully request that the above-listed items not be printed on the face of any patent which may issue from the present application.**

Pursuant to 37 C.F.R. § 1.97, the submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed as an admission that the information cited in this statement is material to patentability or constitutes prior art with respect to the present invention.

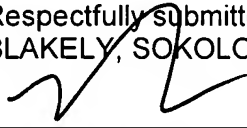
Pursuant to 37 C.F.R. § 1.97, this Information Disclosure Statement is being submitted under one of the following (as indicated by an "X" to the left of the appropriate paragraph):

- X   37 C.F.R. §1.97(b)(3).
- 37 C.F.R. §1.97(c). If so, then enclosed with this Information Disclosure Statement is one of the following:
- A statement pursuant to 37 C.F.R. §1.97(e) or
- A check for \$180.00 for the fee under 37 C.F.R. § 1.17(p).
- 37 C.F.R. §1.97(d). If so, then enclosed with this Information Disclosure Statement are the following:
- (1) A statement pursuant to 37 C.F.R. §1.97(e); and
- (2) A check for \$180.00 for the fee under 37 C.F.R. §1.17(p) for submission of the Information Disclosure Statement.

If there are any additional charges, please charge Deposit Account No. 02-2666.

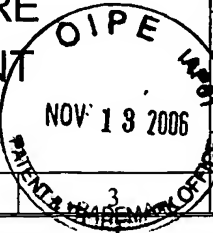
Dated: 11/7/06

Respectfully submitted,  
BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

  
Robert B. O'Rourke  
Reg. No. 46,972

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Seventh Floor  
Los Angeles, CA 90025  
(408) 720-8300

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|--|---|----|--|--|--|
| Substitute for Form 1449/PTO<br><br><b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |   |    |  | <b>Complete if Known</b><br>Application Number: 10/749,740<br>Filing Date: December 30, 2003<br>First Named Inventor: Nikolai G. Nikolov<br>Art Unit: 2127<br>Examiner Name: Unassigned<br>Attorney Docket Number: 6570.P040 |  |
| Sheet  | 1 | of |  |  |  |



| U.S. PATENT DOCUMENTS |                       |  |                 |                                |   |   |
|-----------------------|-----------------------|--|-----------------|--------------------------------|---|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                          |                 | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |                       | Number-Kind Code <sup>2</sup> (if known) |                 |                                |   |   |
|                       |                       | US-                                      | 7,093,234       | 08-15-2006                     | Hibbeler et al.                                 |   |
|                       |                       | US-                                      | 2002/0170036    | 11-14-2002                     | Cobb et al.                                     |   |
|                       |                       | US-                                      | 2005/0039171 A1 | 02-17-2005                     | Avakian et al.                                  |   |
|                       |                       | US-                                      | 2005/0039187 A1 | 02-17-2005                     | Avakian et al.                                  |   |
|                       |                       | US-                                      |                 |                                |   |   |
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|                       |                       | US-                                      |                 |                                |   |   |
|                       |                       | US-                                      |                 |                                |   |   |

| FOREIGN PATENT DOCUMENTS |                       |                           |                     |                                      |                                |   |   |                |
|--------------------------|-----------------------|---------------------------|---------------------|--------------------------------------|--------------------------------|---|---|----------------|
| Examiner Initials*       | Cite No. <sup>1</sup> | Foreign Patent Document   |                     |                                      | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T <sup>6</sup> |
|                          |                       | Country Code <sup>3</sup> | Number <sup>4</sup> | Kind Code <sup>5</sup><br>(if known) |                                |   |   |                |
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| Examiner Signature | Date Considered |
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |                         |  | Application Number       | 10/749,740             |                |
|  |                         |  | Filing Date              | December 30, 2003      |                |
|  |                         |  | First Named Inventor:    | Nikolai G. Nikolov     |                |
|  |                         |  | Art Unit                 | 2127                   |                |
|  |                         |  | Examiner Name            | Unassigned             |                |
| Sheet  | 2                       | of   | 3                        | Attorney Docket Number | 6570.P040      |
| <b>NON PATENT LITERATURE DOCUMENTS</b>   |                         |  |                          |                        |                |
| Examiner<br>Initials*  | Cite<br>No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published |                          |                        | T <sup>2</sup> |
|  |                         | GEOFF A. COHEN et al., "Automatic Program Transformation with JOIE", Paper, Department of Computer Science, Duke University, 12 pages  |                          |                        |                |
|  |                         | ALAN SNYDER, "The Essence of Objects: Concepts and Terms", IEEE Software, January 1993, pp. 31-42, Sunsoft, Mountain View  |                          |                        |                |
|  |                         | Duke University, "The Java Object Instrumentation Environment", <a href="http://www.cs.duke.edu/ari/joie/">www.cs.duke.edu/ari/joie/</a> , last updated May 2003, printed September 28, 2006, 2 pages.   |                          |                        |                |
|  |                         | RALPH KELLER et al., "Supporting the Integration and Evolution of Components Through Binary Component Adaptation", <a href="http://www.cs.ucsb.edu/oocsb">www.cs.ucsb.edu/oocsb</a> , September 9, 1997, Technical Report TRCS97-15, 12 pages                  |                          |                        |                |
|  |                         | HAN BOK LEE, "BIT: Bytecode Instrumenting Tool" University of Colorado, Department of Computer Science 1997, 51 pages  |                          |                        |                |
|  |                         | MARKUS DAHM, "Welcome to the Byte Code Engineering Library 4.4.1", <a href="http://bcel.sourceforge.net/main.html">http://bcel.sourceforge.net/main.html</a> , last updated 4/12/2002, 2 pages, printed September 28, 2006                                     |                          |                        |                |
|  |                         | Package Gnu.Bytecode – "Package Gnu.Bytecode", <a href="http://sources.redhat.com/kawa/api.gnu/bytecode/package-summary.html">http://sources.redhat.com/kawa/api.gnu/bytecode/package-summary.html</a> , 4 pages, printed September 28, 2006                   |                          |                        |                |
|  |                         | Alphaworks, "Jikes Bytecode Toolkit: Overview", <a href="http://www.alphaworks.ibm.com/tech/jikesbt">www.alphaworks.ibm.com/tech/jikesbt</a> , posted March 31, 2000, 2 pages, printed September 28, 2006  |                          |                        |                |
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| Examiner<br>Signature | Date<br>Considered |
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached.  
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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br>(use as many sheets as necessary) |                      |  | Application Number       | 10/749,740             |                |
|   |                      |  | Filing Date              | December 30, 2003      |                |
|   |                      |  | First Named Inventor:    | Nikolai G. Nikolov     |                |
|   |                      |  | As Unit                  | 2127                   |                |
|   |                      |  | Examiner Name            | Unassigned             |                |
| Sheet   | 3                    | of   | 3                        | Attorney Docket Number | 6570.P040      |
| <b>RELATED PATENT APPLICATION INFORMATION</b>   |                      |  |                          |                        |                |
| Examiner Initials*  | Cite No <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published   |                          |                        | T <sup>2</sup> |
|   |                      | NIKOLAI NIKOLOV, "Execution of Modified Byte Code for Debugging, Testing And/Or Monitoring of Object Oriented Software", Serial number 10/749,617, filed on December 30, 2003, Office Action mailed August 23, 2006. Copy of the Office Action, claims as they stood in the application prior to the mailing of the Office Action and a copy of the claims as they were presented to the PTO in response to the Office Action. |                          |                        |                |
|   |                      | NIKOLAI NIKOLOV, "Classfile Conversion Into An Organization Of Objects, and Modification Thereof, To Effect Bytecode Modification", Serial number 10/750,396, Office Action mailed September 5, 2006. Copy of the Office Action, claims as they stood in the application prior to the mailing of the Office Action and a copy of the claims as they were presented to the PTO in response to the Office Action.                |                          |                        |                |
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\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SENT FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450. If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.